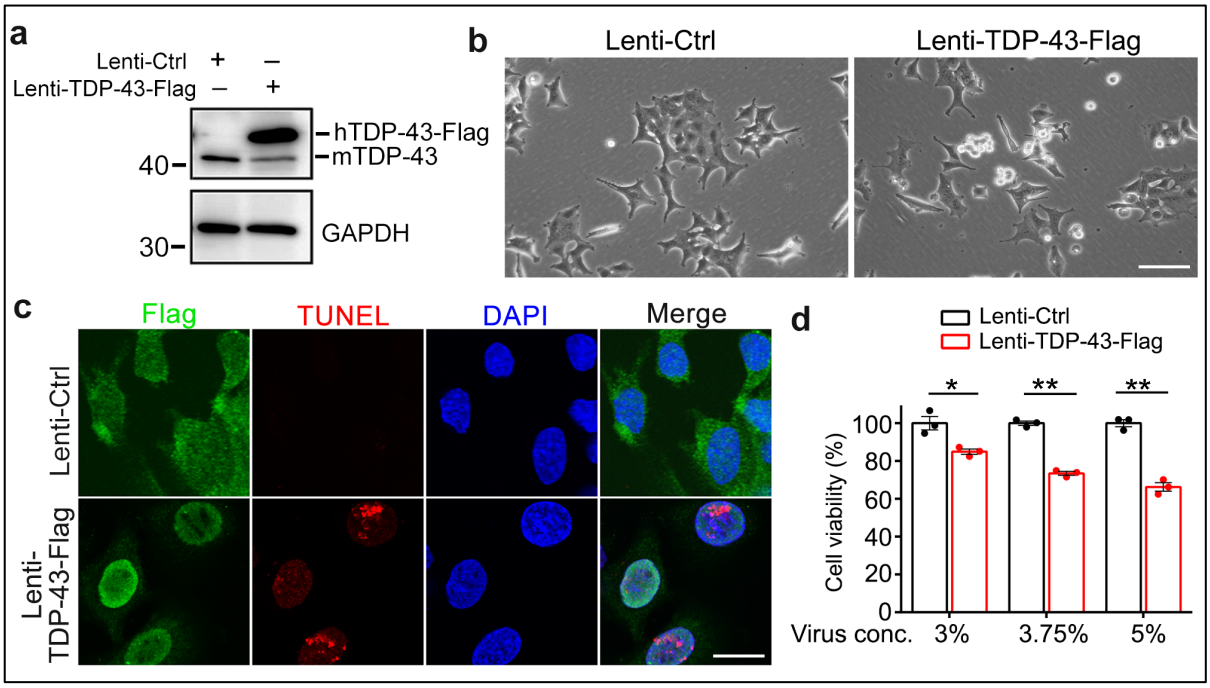

Figure S10. The NSC-34 cell model of TDP-43 OE and the hnRNP A1 OE-induced cytotoxicity. a NSC-34 cells infected with the lentivirus expressing either the Flag tag (Lenti-Ctrl) or the Flag-tagged human TDP-43 (Lenti-TDP-43-Flag) were analyzed by Western blotting with the anti-TDP-43 and GAPDH. hTDP-43, infected human TDP-43-Flag; mTDP-43, endogenous mouse TDP-43. TDP-43 OE causes a decrease in the endogenous mTDP-43，likely as a result of self-suppression, as previously reported[67-68]. **b** The NSC-34 cells overexpressing TDP-43 present remarkable morphological changes, including cell shrinkage, membrane blebbing and increased detachment from the culture dish. **c** Examples of NSC-34 cells infected with Lenti-TDP-43-Flag that are positive for the Terminal deoxynucleotidyl transferase dUTP nick end labeling (TUNEL) staining, whereas the control cells are all TUNEL negative. **d** NSC-34 cells infected with increased concentrations of Lenti-TDP-43-Flag show decreased cell viability in the CCK-8 assay, indicating the TDP-43 OE-induced cytotoxicity to be dose-dependent. Mean ± SEM; n = 3; *p < 0.05, **p < 0.01; Student's t-test. Scale bars: 100 μm in (**b**) and 20 μm in (**c**).